



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

QC ABSTRACT

NAME OF WORK: Construction of RO Plant at Harohalli Village in Chowdeshwari Ward No-02 of Yelahanka Sub Division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
1	Cement	Materials				
		Fineness by dry sieving	One Test		1	1
		Finess by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
2	Coarse aggregate(40 mm down size)	Compressive Strength	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
4	Fine aggregate	Aggregate Impact Value	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
5	Steel	Material finer than 75 micron	One Test		1	1
		Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
6	Block(400*200*200)	ReBend test	One Test		1	1
		BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
7	Block(400*150*200)	COMPRESSIVE STRENGTH	One Test		1	1
		BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
8	PCC(M15)	COMPRESSIVE STRENGTH	One Test		1	1
9	PCC(M15)	Compressive Strength(7days and 28days)	1 set /1-5 cum	1.26	2	2
		Compressive Strength(7days and 28days)	1 set /1-5 cum	4.74	2	2

A.E.E. (Signature)
AE-01

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10	RCC(M25)	Compressive Strength(7days and 28days)	2 sets /6-15 cum	11.39	4	4
11	RCC(M25)	Compressive Strength(7days and 28days)	1 set /1-5 cum	2.43	2	2
12	RCC(M25)	Compressive Strength(7days and 28days)	2 sets /6-15 cum	7.1	4	4
13	RCC(M25)	Compressive Strength(7days and 28days)	1 set /1-5 cum	0.84	2	2
14	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
15	Plaster Sand	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1


A.E.E


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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-04-24-29 Date: 25/01/2023
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Construction of RO Plant at Harohalli Village in Chowdeshwari Ward No-02 of Yelahanka Sub Division
Agency : Sri. Sambashiva, No:04, 3rd Main Road, Chamundeshwari L/O Doddabommasandra, Vidyanarayapura, Bangalore-560097
Customer's Reference : BBMP/EE/YNK.D/EPMT-12/W.O/2022-23
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 30-12-22
Customer ID : Footing Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Footing Concrete	M25	28/12/2022	25/01/2023	151.12 X 149.98 X 149.52	22665	8.871	620.8	27.4	27.5
2	Footing Concrete	M25	28/12/2022	25/01/2023	151.05 X 150.01 X 151.12	22658	8.798	601.6	26.6	
3	Footing Concrete	M25	28/12/2022	25/01/2023	149.40 X 149.72 X 149.10	22368	8.399	640.0	28.6	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Agency/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

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****End of Report****



FOR CIVIL Pro.
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-04-24-29 Date: 04/03/2023
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Construction of RO Plant at Harohalli Village in Chowdeshwari Ward No-02 of Yelahanka Sub Division
Agency : Sri. Sambashiva, No:04, 3rd Main Road, Chamundeshwari L/O Doddabommasandra, Vidyananyapura, Bangalore-560097
Customer's Reference : BBMP/EE/YNK.D/EPMT-12/W.O/2022-23
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 06-02-23
Customer ID : Roof Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Roof Concrete	M25	04/02/2023	04/03/2023	150.75 X 151.51 X 150.77	22840	8.982	631.4	27.6	27.3
2	Roof Concrete	M25	04/02/2023	04/03/2023	150.65 X 150.63 X 151.83	22691	8.863	590.5	26.0	
3	Roof Concrete	M25	04/02/2023	04/03/2023	150.85 X 149.28 X 151.11	22519	8.808	638.8	28.4	

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